PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION *US/08/368,776*

CL

DATE: 01/28/95
TIME: 16:26:27

INPUT SET: S2076.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

ENTERED

```
 1                              SEQUENCE LISTING
 2
 3   (1)    General Information:
 4
 5        (i) APPLICANT:              Thomas Ciossek, Axel Ullrich, Birgit
 6                                    Millauer
 7
 8
 9        (ii) TITLE OF INVENTION:    METHODS FOR DIAGNOSIS AND TREATMENT OF
10                                    MDK1 SIGNAL TRANSDUCTION DISORDERS
11
12        (iii) NUMBER OF SEQUENCES:  10
13
14        (iv) CORRESPONDENCE ADDRESS:
15
16              (A) ADDRESSEE:        Lyon & Lyon
17              (B) STREET:           633 West Fifth Street
18              (C) CITY:             Los Angeles
19              (D) STATE:            California
20              (E) COUNTRY:          USA
21              (F) ZIP:              90071
22
23        (v) COMPUTER READABLE FORM:
24
25              (A) MEDIUM TYPE:      3.5" Diskette, 1.44 Mb
26              (B) COMPUTER:         IBM compatible
27              (C) OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
28              (D) SOFTWARE:         WordPerfect (Version 5.1)
29
30        (vi) CURRENT APPLICATION DATA:
31
32              (A) APPLICATION NUMBER:  to be assigned
33              (B) FILING DATE:         January 3, 1995
34              (C) CLASSIFICATION:
35
36        (vii) PRIOR APPLICATION DATA:
37
38              Prior applications total,
39              including application
40              described below:                    none
41
42              (A) APPLICATION NUMBER:
43              (B) FILING DATE:
44
45        (viii) ATTORNEY/AGENT INFORMATION:
46
```

INPUT SET: S2076.raw

```
47              (A)  NAME:                      Warburg, Richard J.
48              (B)  REGISTRATION NUMBER:       32,327
49              (C)  REFERENCE/DOCKET NUMBER:   208/007
50
51         (ix)  TELECOMMUNICATION INFORMATION:
52
53              (A)  TELEPHONE:                     (213) 489-1600
54              (B)  TELEFAX:                       (213) 955-0440
55              (C)  TELEX:                             67-3510
56
57
58   (1)   INFORMATION FOR SEQUENCE ID NO:  1:
59
60              (i)   SEQUENCE CHARACTERISTICS:
61                   (A)   LENGTH:      4304
62                   (B)   TYPE:        nucleic acid
63                   (C)   STRANDNESS:  single
64                   (D)   TOPOLOGY:    linear
65
66              (ii) MOLECULE TYPE: nucleic
67
68              (xi) SEQUENCE DESCRIPTION:    SEQ ID NO:  1:
69
70
71   AAGCGGCCGG TCTGCAGTCG GAGACTTGCA GGCAGCAAAC ACGGTGCGAA     50
72
73   CGAACCGGAG GGGGGAGAGA GAAATCAAAC AGCTAAGCGT GGAGCAGACG    100
74
75   GCCTGGGACC CAGAAGGGGA TCGATGCGAG GAGCGCAATA ATAACAACAA    150
76
77   TAATAACCCA CTTCGGAGCA AACAGCATCT AAAGAGCTGC GACCCAACTG    200
78
79   CAGCCTAAAA AAATCAAACC TGCTCATGCA CCATGGTTGT TCAAACTCGG    250
80
81   TTCCCTTCGT GGATTATTTT GTGTTACATC TGGCTGCTTG GCTTTGCACA    300
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83   CACGGGGGAG GCGCAGGCTG CGAAGGAAGT ACTATTACTG GACTCGAAAG    350
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85   CACAACAAAC AGAATTGGAA TGGATTTCCT CTCCACCCAG TGGGTGGGAA    400
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87   GAAATTAGTG GTTTGGATGA GAACTACACT CCGATAAGAA CATACCAGGT    450
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89   GTGCCAGGTC ATGGAGCCCA ACCAGAACAA CTGGCTGCGG ACTAACTGGA    500
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91   TTTCTAAAGG CAACGCACAA AGGATTTTTG TAGAATTGAA ATTCACCTTG    550
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93   AGGGATTGTA ATAGTCTTCC CGGAGTCCTG GGAACTTGCA AGGAAACGTT    600
94
95   TAATTTGTAC TATTATGAAA CAGACTACGA CACCGGCAGG AATATACGAG    650
96
97   AAAACCTTTA TGTTAAAATA GACACCATTG CTGCAGATGA AAGTTTCACA    700
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99   CAAGGTGACC TTGGTGAAAG AAAGATGAAG CTGAACACTG AGGTGAGAGA    750
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104
105   ACCATTGTTG AGAACTTAGC TGTCTTTCCA GATACAGTGA CTGGTTCGGA      900
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107   ATTTTCCTCC TTAGTCGAGG TCCGTGGGAC ATGTGTCAGC AGTGCCGAGG      950
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109   AAGAGGCAGA AAATTCCCCC AGAATGCATT GCAGTGCAGA AGGAGAGTGG     1000
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111   CTAGTACCCA TTGGAAAATG CATCTGCAAA GCAGGCTATC AGCAAAAAGG     1050
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113   GGACACTTGC GAACCCTGTG GCCGCAGGTT CTACAAATCT TCCTCTCAGG     1100
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115   ATCTCCAGTG TTCTCGTTGT CCAACCCACA GCTTCTCTGA CCGAGAAGGA     1150
116
117   TCATCCAGGT GTGAATGTGA AGATGGGTAC TACAGAGCTC CTTCTGATCC     1200
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119   ACCATACGTT GCATGCACGA GGCCTCCCTC TGCACCACAG AACCTTATTT     1250
120
121   TCAATATCAA TCAAACGACT GTAAGTTTGG AATGGAGTCC TCCGGCTGAC     1300
122
123   AACGGGGGAA GAAACGATGT CACCTACAGA ATACTGTGTA AGCGGTGCAG     1350
124
125   TTGGGAACAG GGAGAATGTG TGCCATGCGG AAGTAACATT GGATACATGC     1400
126
127   CCCAGCAGAC GGGATTAGAG GATAACTATG TCACTGTCAT GGACCTACTT     1450
128
129   GCCCATGCAA ATTACACTTT CGAAGTTGAA GCTGTAAATG GAGTTTCGGA     1500
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131   CTTAAGCAGA TCCCAGAGGC TCTTCGCTGC TGTTAGCATC ACCACCGGTC     1550
132
133   AAGCAGCTCC CTCGCAAGTG AGTGGAGTCA TGAAGGAGCG AGTACTGCAG     1600
134
135   CGGAGTGTGC AGCTTTCCTG GCAGGAGCCG GAGCATCCCA ATGGAGTCAT     1650
136
137   CACGGAATAT GAAATCAAGT ATTATGAGAA AGATCAACGG GAAAGGACGT     1700
138
139   ACTCAACACT CAAAACCAAG TCCACCTCCG CCTCCATTAA TAATCTGAAA     1750
140
141   CCGGGAACAG TGTACGTCTT TCAGATCCGG GCGGTCACTG CTGCCGGTTA     1800
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143   TGGAAACTAC AGCCCTAGGC TTGATGTTGC CACACTTGAG GAAGCTTCAG     1850
144
145   GTAAAATGTT TGAAGCGACA GCAGTCTCCA GTGAACAGAA TCCTGTCATC     1900
146
147   ATAATTGCTG TAGTGGCTGT AGCAGGGACC ATCATCTTGG TGTTCATGGT     1950
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149   GTTCGGCTTC ATCATTGGAA GAAGGCACTG TGGTTATAGC AAGGCTGACC     2000
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151   AAGAAGGGGA TGAAGAACTC TACTTTCATT TTAAATTTCC AGGCACCAAA     2050
152
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RAW SEQUENCE LISTING
PATENT APPLICATION *US/08/368,776*

INPUT SET: S2076.raw

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155   ATTCGCCAAG GAGCTAGATG CCTCCTGTAT TAAAATTGAG CGTGTGATTG    2150
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157   GTGCAGGAGA ATTTGGAGAA GTTTGCAGTG GTCGTTTGAA ACTTCCGGGC    2200
158
159   CAGAGAGATG TTGCAGTGGC CATAAAAACC CTGAAAGTTG GTTACACAGA    2250
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161   AAAGCAAAGG AGGGACTTTT TATGCGAAGC AAGCATCATG GGGCAATTTG    2300
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163   ACCACCCAAA TGTCGTCCAT TTGGAAGGGG TTGTTACAAG AGGGAAGCCT    2350
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165   GTCATGATTG TGATAGAGTT CATGGAGAAT GGAGCCCTGG ATGCATTTCT    2400
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167   CAGGAAACAC GATGGGCAGT TTACAGTCAT TCAGTTGGTA GGAATGTTGA    2450
168
169   GAGGTATTGC CGCTGGGATG CGATACTTGG CTGATATGGG ATACGTTCAC    2500
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171   AGGGACCTTG CAGCGCGCAA CATCCTTGTC AACAGCAATC TTGTTTGTAA    2550
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173   AGTGTCAGAT TTTGGCCTTT CCCGGGTTAT AGAGGATGAT CCCGAAGCTG    2600
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175   TCTACACCAC GACTGGTGGA AAAATTCCAG TAAGGTGGAC TGCACCGGAA    2650
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177   GCCATTCAAT ACCGGAAGTT CACCTCAGCC AGCGATGTGT GGAGCTATGG    2700
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181   TGTCAAATCA AGATGTCATT AAAGCGATAG AAGAAGGTTA TCGTTTGCCG    2800
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183   GCGCCCATGG ATTGCCCAGC TGGTCTTCAC CAGCTAATGC TGGATTGTTG    2850
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185   GCAGAAAGAT CGGGCGGAAA GGCCAAAGTT TGAGCAGATA GTCGGAATTC    2900
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187   TAGACAAAAT GATTCGAAAC CCAAGTAGTC TGAAAACACC CCTGGGAACT    2950
188
189   TGTAGTAGAC CCTTAAGCCC TCTTCTGGAC CAGAGCACTC CTGACTTCAC    3000
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191   TGCCTTCTGT TCAGTTGGAG AATGGTTGCA AGCTATTAAA ATGGAAAGGT    3050
192
193   ATAAGGACAA CTTCACAGCA GCGGGTTACA ACTCACTCGA GTCAGTGGCC    3100
194
195   AGGATGACTA TCGATGATGT GATGAGTTTA GGGATCACAC TGGTTGGCCA    3150
196
197   TCAAAAGAAG ATCATGAGCA GCATCCAGAC TATGCGGGCA CAAATGTTGC    3200
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199   ATTTACACGG AACAGGCATC CAAGTGTGAC ACATCGGCCT CCCTCAGATG    3250
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201   AGGCTTAAGA CTGCAGGAGA ACAGTTCTGG CCTTCAGTAT ACGCATAGAA    3300
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203   TGCTGCTAGA AGACAGTTGA TATACTGGGT CCTTCCTACA AGAAAGAGAA    3350
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205   GATTTTAGAA GCACCTCCAG ACTTGAACTC CTAAGTGCCA CCAGAATATA    3400
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INPUT SET: S2076.raw

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209    CAATAAACAA AGTACTACCT GAAAAACATC CCAACACCTT GAGCTCTCGA    3500
210
211    ACCTCCTTTT TATCTTATAG ACTTTTTAAA AATGTACATA AAGAATTTAA    3550
212
213    GAAAGAATAT ATTTGTCAAA TAAAAATCAT GATCTTATTG TTAAAATCAA    3600
214
215    TGAAATATTT TCCTTAAAAT ATGTGATTTC AGACTATTCT TTTCCAGAAC    3650
216
217    CATCTGTGTT TATTCTGCTT AAGGACTTTG TTTTAGAAAG TTATTTGTAG    3700
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219    CTTTGGACCT TTTTAGTGTT AAATTTATGA CACGTTACTA CACTGGGAAC    3750
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221    CTTTGAAGAC TCTCAAACTT AAAGGAAAGC AAAACTACGC ACATAGTCGA    3800
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223    GGATGGACTT TGTCCTTCAT GGCTTTGGTA TCCTGGCTGT GTCATTTTGT    3850
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225    TAAACCAGTG ATGTTTTCAT ATTGTTTGCT GATTGGCAGG TAGTTCAAAA    3900
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229    TGTAAAAATC AGATAACATA CTAACTTTTC AATGAAAAAA AAAAAAAAAG    4000
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231    AAGCAATAAT GATCCATAAA TACTATAAGG CACTTTTAAC AGATTGTTTA    4050
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233    TAGAGTGATT TACTAGGCAG AATTTAATAA AAAAAAAAGA GAGATGTCAA    4100
234
235    ATTTTAGGTT TATGTGTATA TGATAAAAGG CTGAGCTTCG TCTGAAGATG    4150
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237    CTGGTGAAAG CAAGACTGGA AGCGAAGCTC TCCAGCTTTG GCTAACCCAA    4200
238
239    TCCGAGCACA TCAAGAGCTT CAGTCTTGTG ACAGTAAGAA ATTTAGGAAC    4250
240
241    ATAGTTGACC TATATTTTGT ATTCTTTCTT GTTGAATGCA GTCCAAATAC    4300
242
243    AAAA                                                     4304
244
245
246
247    (1)   INFORMATION FOR SEQUENCE ID NO:  2:
248
249          (i)   SEQUENCE CHARACTERISTICS:
250
251                (A)   LENGTH:       998
252                (B)   TYPE:         amino acid
253                (C)   STRANDNESS:   single
254                (D)   TOPOLOGY:     linear
255
256          (ii) MOLECULE TYPE: peptide
257
258          (xi) SEQUENCE DESCRIPTION:   SEQ ID NO:  2:
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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION   *US/08/368,776*

INPUT SET: S2076.raw

Line	Error	Original Text
32	Wrong application Serial Number	(A) APPLICATION NUMBER: to be assigned